

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/051304

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G09G3/36

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G09G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 4 724 433 A (INOUE HIROSHI ET AL) 9 February 1988 (1988-02-09) column 3, line 1 - column 4, line 23; figures 4-7	1-9, 12-15 10,11
X A	US 6 081 250 A (YAMASHITA TOSHIHIRO ET AL) 27 June 2000 (2000-06-27) column 4, line 32 - column 5, line 67; figures 4-7	1-9,12, 14,15 10,11,13
A	US 6 501 456 B1 (MATSUMOTO KATSUMI ET AL) 31 December 2002 (2002-12-31) column 7, lines 4-52 column 15, lines 8-27; figures 4,14,15	1-15



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

12 November 2004

Date of mailing of the international search report

23/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Waters, D

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/051304

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4724433	A	09-02-1988	JP	61117599 A	04-06-1986
US 6081250	A	27-06-2000	JP	5210089 A	20-08-1993
			DE	69313886 D1	23-10-1997
			DE	69313886 T2	26-03-1998
			EP	0554129 A1	04-08-1993
			KR	9609584 B1	20-07-1996
US 6501456	B1	31-12-2002	JP	11237611 A	31-08-1999
			TW	491954 B	21-06-2002
			US	6232939 B1	15-05-2001

Available Copy